Inventory of Quality Control Data for Organic Analyses

Report Title	Beickhause Environmenta	Report Date		.0
Sampler	4 //	Sampling Date	1/20/10	Number of Samples 🗸
Laboratory	TEST AMERICA		Cab ID	KTR0345
		ersonal Privacy Ex. 6 - Person	- 13K	ersonal Privacy
Electronic File Name	CABY- GAR 000001 KA	uckhouse Feb.	16 2010. pd	*
				<i>1</i>
44-66-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4			Madead	

Analytical Deventage	Matrix		Method	
Analytical Parameter	INIGLIX	Extraction	Analysis	Modification
Alurals	water	Not Identified	8015	
1Alcohols	water	11 4	8015 M	NOT IDENTIFIED
MARAS	WATER	NA	5540C	
Missee Constantinian maranis et to eligibis di gratimi in marina del trasse est de Constituti de incensario con constituti de la constituti de	war with provide the second se	A STATE OF THE STA	taatalkah)ji ee cooranoo oo	
All the state of t				

QC Measures			Aicohois	Glycols S cap 64	MBAS 4 KAMPLES	
KEY:			2		उँ	
P = applicable and present			ols A	~ ~ ~ ~ ~ ~	12	
M = applicable and missing			惊	8	MS AS	
NA = not applicable			ਕੋਂ	ਰਿੰ [J	
Reporting Level(s)		entre en	ρ	ρ		
Laboratory Narrative			M	M	m	
Result Forms / Target Compound Identification			P	8	P	
Sample Preservation			P	β	P	
Holding Time			P	P	ΙΙΡ	
Instrument Tune		 	NA	NA	NA	
Standards Preparation Logs			m	m	M	
Run Logs (includes standards and samples)			M	m		
Initial Calibration	1		M	m	m	
Continuing Calibration			m	m	M	
Laboratory Blanks		1000	M	m	m	
Trip Blanks			NA	NA	NA	
Field Blanks			 	m		tie (i
Field Duplicates			M	m	~	
Surrogate/DMC Recovery			P	P	NA I	
MS/MSD (%R, RPD)			M	m	-	
Laboratory Control Sample			l M	m	m	
Internal Standard Area			NA		NA	
Pesticide/Aroclor Cleanup Checks			NA	NA	INA	
Retention Time				m	WA	
Chromatograms			m	m	NA	
Mass Spectra			NA	NA	NA	
Example Sample Calculation			M	m	m	
Identification of Tentatively Identified Compounds (TICs)			NA	NA	NA	
TICs Method of Determination			NA	NA	NA	
Dilution Factor			ρ	ρ	70	
Sample Paperwork (sample tags, chain of custody forms)				ρ	P	
Moisture Content (for sediment / soils samples)			A NA	NA	AN	

January 2012

Inventory of Quality Control Data for Organic Analyses

Report Title	Beickhouse Euripeamen	TAL Re			2/16						12
Sampler _		Samp	ling I	Date _	1/2	0/10	_ Nu	mber		iples /	0
Laboratory	1 Est America		· 6	Dor		Lab III	KI	AO	79B	?	
Well ID	Ex. 6 - Personal Privacy		х. о <i>i</i>	- Per	Sona	II Priv	/acy	~~~~		-	
Electronic File Name _C	Capor -EPA coccos Beick	house he	BRLU	ORY 1	<u>ර දු) (</u>	NO C	s). (<u> </u>	6 - P	ersonal	Priva
Analytical Parameter	Matrix				٨	flethod		T			
Allalytical Falameter	INGU IX	Extract	ion	2/	Α	ınalysi	S		Modi	fication	
alycol	Water	NOT 100	wet it	ed	8	2/5					<u> </u>
'Alcahols	K \$	и	<i>p</i>			15		_ ^	OT 1	desily	God
MBAS	//	NA_			\$	40	<u> </u>		···		
mand demonstrates and an explication of the control						·····		-	~		
QC Measures	₩.							1		Solder	: •
KEY: P = applicable and present M = applicable and missing NA = not applicable				FORM		Martin and the state of the sta	Alcohols	Glycols 6 5.9-1/	And the state of t	MBAS 95.	ţ.
Reporting Level(s)			William II		2)		ρ	r		۱	
Laboratory Narrative							M	M		m	
Result Forms / Target C	ompound Identification						<u> </u>	$ \mathcal{P} $		ρ	
Sample Preservation							P	P		ρ	4
Holding Time	7-						ρ_	N		P	477.45
Instrument Tune			0. 200. 200.				NA	MA		AN	
Standards Preparation L					7-11		Μ	M	1. 1	八衛	
Run Logs (includes stan	dards and samples)						M	m		M	
Initial Calibration	· v.			1			M	M	增新	M	
Continuing Calibration	№ .						M	M		M	
Laboratory Blanks		22					Ň	M		M	
Trip Blanks			· · · · · · · · · · · · · · · · · · ·				NA	NA	<u> </u>	NA	
Field Blanks							m	M		~	
Field Duplicates			-				<u></u>	~		M	
Surrogate/DMC Recover	TY						ρ	P		NA	
MS/MSD (%R, RPD)							W	M		M	
Laboratory Control Samp	ple						M	~		M	
Internal Standard Area	The state of the s		·				NA	NA		NA	
Pesticide/Aroclor Cleanu	ıp Checks			** No			NA	NA	2	NA	
Retention Time							M	1		AN	
Chromatograms							~	~		M	
Mass Spectra	Ä.						NA	NA		NA	
Example Sample Calcula			120g King Y				M	M		m	
	ely Identified Compounds (TICs)						NA	NA		NA	
TICs Method of Determine	nation	1.0		MARKET TO THE		Secretary Contraction	NA	NA		MA	
Dilution Factor			Marie de la constante de la co				p	ρ		ρ	
	ple tags, chain of custody forms)					ρ	ρ	1000	ρ	
Moisture Content (for sec	diment / soils samples)		***************************************				NA	NA		NA	
										ľ	

Inventory of Quality Control Data for Inorganic Analyses

Report Title Barckhouse Environ	mental	Rep	ort D	ate 🧷	11-1	/10				
Sampler Brickhouse Environme	ntal	Sampl			22/	o Ni	ımber	of San	ples	12
Laboratory Tect America					Lab it		GA C	36	4	American
Well ID Ex. 6 - Personal Privacy Saud	nur			Ex. 6		sonal	Priva	асу		
Electronic File Name CASOT - AFA 6466	26 BN ch	house	e f	FLEU	gay	17	201	0 00	14'	
Ex. 6 - Personal Privacy	Sauta	terRu	Ex. 6 - Per	sonal Privacy	BBa	12	(P.	10x	3\	
Analytical Parameter Matrix			·		<u>lethod</u>			U		
	Dige		,		ŋalysi	***************************************		Modif	cation	
Total METALS SR/HO WATER	Not					Speci	4		·····	
Mcto/2 (12) "		KNOW		200:		<i>I.</i>	-			
METALS "		Now	N		<u> 70 - </u>					Militar and an analysis of the state of the
Bicac Rovets fine (13)	WA ALA			3/0.1		12340	<u> </u>			
Anjons (13) //	NA			300.	5- C A) <u>F</u>	1	***		***********
Total Cyanide (3)				/	<u> </u>	<u> </u>				
QC Measures KEY: P = applicable and present M = applicable and missing NA = not applicable		Metals Sa/Hs	Anion S	Nitrate/Nitrite	Oil & Grease	Total Cyavide	Medals - 7	MOTAIS . K	Bicapalite	Makkaja professoja da
Reporting Level(s)		ρ	φ			ρ	P	ρ	P	
Laboratory Narrative		M	m	1		M	m	M	M	
Result Forms / Target Analyte Identification		ρ	ρ	1		A	ρ	ρ.	P	
Sample Preservation		ρ	M			M	A	P	P	
Holding Time		P	P			M	P	P	ρ	
Digestion and Distillation Logs		M	NA		- 1	NA	M	А	NA	
Standards Preparation Logs		M	m			M	M	Λ	m	
Run Logs (includes standards and samples)		M	m			~	m	M	M	
Initial Calibration		M	M			M	~~	M/\	M	
Continuing Calibration		M	m			m	m	M	NA	
Laboratory Blanks	444	M	~			1	m.	m	M	
Trip Blanks	·	NA	NA			NA	NA	NA	NA	
Field Blanks		M	M			m	M		NA	
Field Duplicates		M	1		<u> </u>	M	m	^	~	
Matrix Spike Recovery		Μ	M			M	m.	Δ_	NA	
Laboratory Duplicates		M .	M			M	m	4	MA	
Laboratory Control Sample		<u></u>	<u>~</u>			m	m.	m	NA	
Internal Standard Area		NA	NA	1	1	NA	NA			
Method of Standard Addition Results		NA.	NA.	44	4	NA			NA	
ICP Serial Dilutions		M	NA	$\perp \perp$	4_	NA	M	M	NA	25,000,000,000
ICP Interference Check Sample		m	NA	$\bot \bot$		NA	m	<u> </u>	NA	
ICP Inter-element Correction Factors		M	NA	11		NA	^	M	NA	
ICP Linear Ranges	·	M	NA	\Box		MA	m	M	NA	
Raw Data (i.e., instrument readouts)		M	MA	11		NA	M	1	NA	
Example Sample Calculation	<u>intra contra de la contraction de la contractio</u>	M	M	41		M	M	M	<u>^</u>	
Dilution Factor		P	ρ	H		P	ρ	0	P	
Sample Paperwork (sample tags, chain of custody form	S)	P	1	4		P	P	P	ρ	
% Solids (for sediment / soils samples)	management of the second of th	NA	NΑ	30.003.003.003		NA	NA	NA	NA	C100-700-0020
					2.000)				

Inventory of Quality	ty Control	Data	for	Orgar	nic Ar	nalys	es			
Della File		S	D . 4 .	/		t				
Report Title Brickhouse Environme Sampler Brickhouse Environme Laboratory TEST AMERICA	MENTINC!	kepoπ i	Date	$-\frac{2}{4}$	17/	<u>′</u> 6			-1	10
Jaharaton Tear Angel	iental sai	npung	Date _	_/(4,	2/10 Lab ID	and the same of th	mber o		•	
Well ID	*				ran Ir			<u>U31</u>	27	- Constitution
Electronic File Name CAROT - EPR 000020	Reckhau	od 1	cha		12	201	0.0	J.R	.3	<u></u>
CAAOT CETT PAGE	<u> </u>	<u> </u>	<u> ENK</u>	MARY	-/-	1	P. 5	12	1	dec
			ii ee etdaa	/N	lethod		1	'0 =		***************************************
Analytical Parameter Matrix	Extra	ction		····	nalysi		T	Modif	ication	1
O.C. pestedos (3) water	Not Kn	שמש		***************************************	08			***************************************		
PCKs (3)		own			ය					
Vocs (1)	NOT KN	<u>uwn</u>			60B			5/4		-
SVOA (13) .	Not KN			Mary Mary	700	9		-		
Oil + Grease (13) "	MEthod o		<u>d</u>	1664	<u> </u>	114		***************************************		
Dissolved Gases (13)	Not KN	OWN		RSK	Sop	-175		······································		
		\$	Ï	i	ĺ	1	a.	1	-	t
QC Measures								S S		1
								Dissolved Gases		0; (19 pass
KEY:				Pesticides	ξυ	8		- Po		(30)
P = applicable and present M = applicable and missing			1	Ţ.	흥	Alcohols	8	<u>8</u>	S	3
NA = not applicable		ğ	SVOA	Pes	Aroclors	20	Glycols	Si Si	MBAS	15
Described to all (a)		ER ANDR	ρ	Λ	B					and the second section of the second
Reporting Level(s)		ρ	100	ρ	P			$\mid \rho \mid$		P
Laboratory Narrative		M	M	n	M	1	1	P		<u> </u>
Result Forms / Target Compound Identification		-	M	M	M		-	-	-	P
Sample Preservation Holding Time		M	P	ρ	9			M		10
Instrument Tune (MS)	***************************************	M	m		NA			NΑ	+	NA
Standards Preparation Logs		M	M	m	m			M		m
Run Logs (includes standards and samples)		M	M	m	m		11	m		m
Initial Calibration	man, ili.	m	M	M	m			M		M
Continuing Calibration		m	m	m	M		1	M	10000000000	M
Laboratory Blanks	<u> </u>	m	M	m	m			m	İ.	m
Trip Blanks	200	Τρ	NA	na de la primita de la companya del la companya de	NA		1	M		M
Field Blanks	***	M	m	m	m		1	M		111
Field Duplicates		m	m	m	m		I	M		M
Surrogate/DMC Recovery		P	ρ	ρ	ρ,			m		M
MS/MSD (%R, RPD)		M	M	m	M			m		m
Laboratory Control Sample		m	m	M	Μ			m		M
Internal Standard Area	end Regulation of the STORM recovery (and because and STORM reference and STORM recovery	P	P	NA				NA		NA
Pesticide/Aroclor Cleanup Checks		NA	NA	m	M	NA	WA	NA	NA	NA
Retention Time		M	m	m	M			M		NA
Chromatograms		M	m	m	m			m		NA
Mass Spectra		M	M	NA	NA	NA	NA	NA	NA	NA
Example Sample Calculation		M	m	m	M			m		M
Identification of Tentatively Identified Compounds (TIC	Ss)	ρ	ρ	NA	NA	MA	NA	AU	NA	NA
TICs Method of Determination		M	M		NA	MA	NA	NA	NA	NA
Dilution Factor		ρ	ρ	ρ	ρ			ρ		ρ
Sample Paperwork (sample tags, chain of custody form	ns)	P	ρ	ρ	$\boldsymbol{\rho}_{\cdot}$			P.		P

NA NA NA NA

NA NA

Sample Paperwork (sample tags, chain of custody forms)
Moisture Content (for sediment / soils samples)

Inventory of Quality Control Data for Inorganic Analyses

Well ID	Report in Sampling I		***************************************		10	NOODIGOODIA NAMA		
Electronic File Name CAPOT - EPA 000020 Brid	knowse Febru	ury 1	7 20	10, po	¥±. ₇	0 0	1	-
		Annual Control of the	Method	100.00		P. 3	76 3	
Analytical Parameter Matrix	Digestion		Analysi	_	1	Modif	ication	•
Total Opposit Contra Bupton	Dideation		310	The state of the s	+	MOGIII	IVALIVI	1
" Phonois "		7	20.					
" Planas							***	
QC Measures		Symposis delica a a a		Total ORGANIC Cand	Todal Phonols			
	7 A A A A A A A A A A A A A A A A A A A	<u> </u>	Q)	3	2,			
KEY:			eas	E	Q		S. C.	
P = applicable and present	2 2	te.	ō	0	innerent and a			A CONTRACTOR
M = applicable and missing NA = not applicable	Metals Anions	Vitrate/Nitrite	Oil & Grease	ota	X,			- Colonial C
		Z	O	}	1			
Reporting Level(s)	N. C.			P	ρ_			ľ
aboratory Narrative			$\perp \perp 1$	m	m			1
Result Forms / Target Analyte Identification			11	$ \rho $	P			
Sample Preservation			$\perp \! \! \! \! \! \! \! \! \! \! \perp \! \! \! \! \! \! \! \!$	M	_			
Holding Time			$\perp I$	$ \rho $	0			1
Digestion and Distillation Logs		German and Control and Control	1/	M	NA			
Standards Preparation Logs			1	~	m			1
Run Logs (includes standards and samples)			/	m	~	20.00 A STATE OF THE STATE OF T		
nitial Calibration				^	m		i i i i i i	1
Continuing Calibration		$\perp \perp \perp \perp$		~	m			L
aboratory Blanks	100000000 P0000	$\perp I$			W\			1
rip Blanks		$\sqcup \!\!\!\! + \!$		NA	NA			1
ield Blanks		$\lambda / / -$		79/4	M			1
ield Duplicates		-V		<u> </u>	m		<u> </u>	+
Matrix Spike Recovery		-۸		M	M			1
aboratory Duplicates		/\\	1	m	M		1	1
aboratory Control Sample		μ_{\perp}		M	M			1
nternal Standard Area		1			NA			1
Method of Standard Addition Results	- $+$ $+$ $+$	$+\lambda$			MA		<u> </u>	1
CP Serial Dilutions		$+ \lambda$		NA				1
CP Interference Check Sample			V	NA	MA_			1
CP Inter-element Correction Factors			\	NA			2000	1
CP Linear Ranges			1	NA			-	1
Raw Data (i.e., instrument readouts)			1	M	<i>~</i>		102002-000	1
xample Sample Calculation			+ 1	*	M			1
Dilution Factor		and the second	1	だ	Α			1
Sample Paperwork (sample tags, chain of custody forms) 6 Solids (for sediment / soils samples)			1	ρ,,	AIA AIA			Ł
/ CARACITAL BARRASS / CARC COMBIAGE :		T:	1 1	Det Li	MIA	6	1 .	1

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Inventory of Quality Control Data for Organic Analyses

Report Title	TestAmerica Analytical Repor	† Report Date 9/	13/11		
Sampler	URS Cornoration	Sampling Date <u>'' </u>	14/11	Number of Samples	2
	Test America		' 'Lab ID _		
Well ID					
★ Electronic File Name	CABOT-EPA 000176 Tes	it America Results	August	4 2011, pdf	
• •	, , , , , , , , , , , , , , , , , , , ,				

Analidiaal Dawasaka	Matrix		Method								
Analytical Parameter	Matrix	Extraction	Analysis	Modification							
VOA	worken	5020	8260B								
SVOA	Water		8270 C								
EDR/DBCP											
9/4cds											
GRO			8015 B								
Alcohols			8015	Edit							

QC Measures				a management of a post			Gases		
KEY:	100		တ္တ				Ö	-	
P = applicable and present			Pesficides	Aroclors	Alcohols	200	Dissolved	(n)	GRO
M = applicable and missing	VOA	SYOA	TO TO	8	8	Glycols	SS	MBAS	1 or
NA = not applicable	5	တ်	<u>a</u>	₹	₹	Ø	ā	2	<u></u> ७
Reporting Level(s)	P	ρ				P		11.000	2
Laboratory Narrative	P	P				Þ			1
Result Forms / Target Compound Identification	<u></u>	B				ρ_{-}			lĽ –
Sample Preservation	P	LP.							12
Holding Time	<u> </u>	<u> </u>							1
Instrument Tune		<u></u> ρ_				NA			P
Standards Preparation Logs	P	P'			1	P			P
Run Logs (includes standards and samples)	P	ρ			1				P
Initial Calibration	7	ρ			1	ρ			P
Continuing Calibration	P	P			1	P			P
Laboratory Blanks	P	Iρ				P			ρ
Trip Blanks	A	NA		\		NA			NA
Field Blanks	M	M		ΛJ		M			М
Field Duplicates	m	M		$\square V$		m			M
Surrogate/DMC Recovery	P	P		V		P			Q'
MS/MSD (%R, RPD)	P	P		Λ		P			P
Laboratory Control Sample	q	P		II		φ	w.		P
Internal Standard Area	ρ	my		71		NA			,
Pesticide/Aroclor Cleanup Checks	NA	NA		1		NA			NA
Retention Time	P	A				P			P
Chromatograms	P	P				NA			7
Mass Spectra	Þ	P	1			NA			Ö
Example Sample Calculation	M	M							$\lambda \Lambda$
Identification of Tentatively Identified Compounds (TICs)	~	m			\	NA			M
TICs Method of Determination	m	m	1			NA			M.
Dilution Factor	ρ	PA			1	P			AU
Sample Paperwork (sample tags, chain of custody forms)	β	ρ	1			P			'p''
Moisture Content (for sediment / soils samples)	NA	NA	H		- \	NA			NI
module content for seamont one sampled	N/4	1 A May	f = -			NA			1011

* Currently being validated by ESAT contractor - report due 2/7/12

Inventory of Quality Control Data for Inorganic Analyses

2/3/

Report Title TestAmerica Analytical Report Report Date 10/5/11

Sampler URS Corporation Sampling Date 9/1/11 Number of Samples 1/2

Laboratory Test America Lab ID

Well ID H-1, FH-1, FPT-1, S-1, R-1, R-2, RD-1, RU-1, KDE-1, N-1, D-1, Trip Blank

*Electronic File Name CABOT-EPA 001621 TestAmerica Results September 1 2011, pdf

Analytical Deservator	Matrix		Method	and the state of t
Analytical Parameter	Marix	Digestion ,	Analysis	Modification
EAB/ARCA	WATER	MICRO ENTRACTION	8011	
GVASEK.		NA	PSK-175	
METALS		3005A	6026	
Ancons			300.A	
AMODIA		500.00 MAD. (0.000.00	350.(in The Control of the
:				

QC Measures KEY: P = applicable and present M = applicable and missing U = UNKNOWN if method Requires NAME to REFERENCE	Metals	Anions C	Vitrate/Nitrite	Oil & Grease	RSK145GASGS	AB/ABCF	nmonly		The state of the s
NA = not applicable		<u> </u>	Z	ō		W	****************		
Reporting Level(s)	<i>P</i>	L <u>P</u>	<u> </u> /_	M	L.	<i></i> ∤⁄^_	<u> </u>		
Laboratory Narrative	17	LQ.	M	M	P	\mathcal{L}_{-}	P		
Result Forms / Target Analyte Identification	<u> </u>	IP_			<u> P</u>	P	P		
Sample Preservation	$\perp \downarrow \rho$	P			l U	A	P	-	
Holding Time	4	P			<u>u</u>	10	P_		
Digestion and Distillation Logs	19	NA			NA	NA	12		
Standards Preparation Logs	-12	ρ			M	12	P		
Run Logs (includes standards and samples)	$-\!$	Ιρ	Ш		Ιρ	β	P		
Initial Calibration	#\$	8		36.5	H	P	P		
Continuing Calibration					J-P	P	P		
Laboratory Blanks	P	P		255)分,	P	P		7.22
Trip Blanks	MA	NA			MA	MA	NA		
Field Blanks	M	M			I U	M	M		
Field Duplicates	M	m			u	M	M		
Matrix Spike Recovery		P		1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	l U	Ιρ_	P		
Laboratory Duplicates	P	12			P	ρ	P		
Laboratory Control Sample	70	ľβ			17	ρ	P		
Internal Standard Area	NA	NA			NA	NA	WA		
Method of Standard Addition Results		NA			MA	NA	a)A		
ICP Serial Dilutions		NA			NA	NA	NA		
ICP Interference Check Sample	- Ι-ρ	NA			NA	NA	NA		
ICP Inter-element Correction Factors	M	NA			NA	NA	NA		1
ICP Linear Ranges	70	Na			NA	NA	NA		
Raw Data (i.e., instrument readouts)	NA	M			The same of the sa	φ	m		
Example Sample Calculation	M	m	H			m	m		
Dilution Factor	P	P			$ \rho $	P	P		
Sample Paperwork (sample tags, chain of custody forms)	P	$\dot{\varphi}$			IΔ	A	ρ		
% Solids (for sediment / soils samples)	NΑ	NA			NΑ	AW	NA		
Surregate	ΔA	U. A. Carlotte and Carlotte and Carlotte			AM	170	NA		1

Currently being validated by ESAT contractor - report due 2/7/2 Tas